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toobyeet "otohoe

## UTILITY PATENT APPLICATION

TRANSMITTAL
(Only for new nonprovisional applications under 37 CFR 1.53(b))

•	
Attorney Docket No.	MIT-132 (5473/145)
First Named Inventor	Chen et al.
Title	VACUUM ELECTRON DEVICE WITH PHOTONIC BANDGAP STRUCTURE AND METHOD OF USE THEREOF

		_	_			
	APPLICATION ELEMENTS	ADD	RES	SS TO: Box Patent A		
	AFFEICATION ELEMENTS				er for Patents	2.3
	*			Washington,	D.C. 20231	
I. 🛛	Fee Transmittal Form					S.
2.	Small Entity Status					2
	Applicant claims small entity status			ACCOMPANYING	APPLICATION PARTS	~~
	Status established in prior application and is still					ğ
	proper and desired					<u> </u>
3. 🛛	Specification and Drawings [Total Pages 39]	8.	7	37 CED 3 73(b) States	nent (when there is an assign	20)
э. 🖂	- Written Description - (22 pages)	0	_	Power of Attorn		,
				Fower of Attorn	ey	
	- Claims - (3 pages)	م ٦	_	Partick Translation D		
	- Abstract - (1 page)	9.	١.	English Translation D	ocument (ij applicable)	
	- Sheets of Drawings - (13 sheets)		-			
	☐ Formal	10.	J		e Statement (IDS)/PTO-1449	
	☑ Informal		-	Copies of IDS C		
4. 🛛	Oath or Declaration [Total Pages 4]	11.	_	Preliminary Amendme		
	a. Newly executed (original)			Drawings [Total	Sheets ]	- 1
	<ul> <li>b. Copy from a prior application (37 CFR)</li> </ul>			•		
	1.63(d))					1
	(for continuation/divisional with Box 17 completed)		_			
	[Note Box 5 below]	12.	◁ ¯	Return Receipt Postca	rd (specifically itemized)	
5.	Incorporation by Reference (usable if Box 4b is checked)	13.	J	Certified Copy of Prio	rity Document(s) (if foreign p	riority
	The entire Disclosure of the prior application, from			claimed)		
	which a copy of the oath or declaration is supplied					
	under Box 4b, is considered as being part of the	14.	7	Nonpublication Reque	st Under 35 U.S.C. 122(b)	
	disclosure of the accompanying application and is		_			
	hereby incorporated by reference therein.					
6. 🛛	Application Data Sheet (2 pages)	15.	7	CD in duplicate for lar	ge table or computer program	
7. 1	Nucleotide and/or Amino Acid Sequence Submission	16.	ī	Other:		
🗀	Computer Readable Form (CRF)		_	·		
	Paper Copy (identical to computer copy)					
	CD (2 copies) (identical to computer copy)		i	ī		
	Statement verifying identity of above copies		•	•		
			<u> </u>			_
	If a CONTINUING APPLICATION: Amend the speci	ricatio	n by	inserting on page 1, be	erore the first line, the sentenc	e:
This i			Ϋ.	ri Parta a albanda (b. 1	131. / 61.1	
		ı-ın-pa	urt of	prior application Seria	il No. / , filed on ,	, the
entire d	isclosure of which is incorporated by reference herein		*1.0	0.120		
	Priority to the above application(s) is claimed und					- 1
	Prior application information: Examiner:	roup/	Art l	Jnit:		
18. 🖂	Priority - 35 U.S.C. 119					
	Priority of application Serial No. 60/278,131 filed					
	The certified copy has been filed in prior U.S.	. appli	icati	on Serial No/_	on	
	The certified copy will follow.					
	CORRESPONDENCE ADDRESS	٠		SIGNA	TURE BLOCK	
Direct a	ill correspondence to: Patent Administrator	Т			Respectfully submitted,	
	Testa, Hurwitz & Thibeault, LLP			1 2000	lauch & Mailes	
	High Street Tower	ען.		January 4, 2002	- X Vanno	-
	125 High Street			No. 42,897	Joseph B. Milstein	
	Boston, MA 02110			lo.: (617) 248-7695	Attorney for Applicant(s)	
	Tel. No.: (617) 248-7000	F	ax N	lo.: (617) 248-7100	Testa, Hurwitz & Thibeaul	i, LLP
	Fax No.: (617) 248-7100	- 1		•	High Street Tower	
_	Customer No. 021323	- 1	-	:	125 High Street	
_	Castoller 140. 021325				Boston, MA 02110	

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## FEE TRANSMITTAL FY 2002

DADI COS ITAM ITAM					
Complete y Known					
Application Serial Number		4			
Filing Date	January 4, 2002	-			
First Named Inventor-	Chen et al.				
Group Art Unit		$\dashv$			
Examiner Name					
Attorney Docket No.	MIT-132 (5473/145)				

ı	Attorney Docket No. WITI-132 (34737143)				
ì	NEWHOD OF BAYMENT	FEE CALCULATION (continu	ued)		
Į	METHOD OF PAYMENT	3. ADDITIONAL FEES			
- 1	Payment Enclosed:     Check    Money Order    Other	Large Small			
		Entity Entity	Fee Paid		
	2. The Commissioner is hereby authorized to credit	Fee Fee Fee Description	Pec I ma		
	or charge any fee indicated below for this submission	(S) (S)	l		
	to Deposit Account No. 20-0531.	130 65 Surcharge - late filing fee o	r oath		
	Required Fees (copy of this sheet enclosed).	130 65 Surcharge - late filing fee o 50 25 Surcharge - late provisional	filing fee		
	Additional fee required under 37 CFR 1.16 and	or cover sheet			
	1.17.	130 130 Non-English specification			
	Overpayment Credit.	2,520 2,520 Request for ex parte reexam	nination		
	Applicant claims small entity status.	110 55 Extension for reply within			
þd	FEE CALCULATION	400 200 Extension for reply within			
	1. FILING FEE	month			
	Poster	920 460 Extension for reply within	third month		
LJ.	Large Entity Fee (\$) Fee Description Fee Paid	1440 720 Extension for reply within	fourth		
1	Fee (3) Fee Description	: month 1960 980 Extension for reply within	68h month		
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Ŭ.	740 Utility filing fee 740.	320 160 Notice of Appeal 320 160 Filing a brief in support of	an appeal		
	330 Design filing fee	280 140 Request for oral hearing			
1	160 Provisional filing fee	130 Petitions to the Commission	oner		
#	ļ	180 180 Submission of Information	n Disclosure		
	Number Number Rate Amount	Statement			
þ	Filed Extra	740 370 Filing a submission after f			
		rejection (37 CFR 1.129(a 740 370 For each additional invent	tion to be		
Ē	Total Claims 12 $-20 = 0$ x \$ 18.00 =	740 370 For each additional invention examined (37 CFR 1.129)	(b))		
Ò	· ·	100 100 Certificate of Correction f	or		
Ш	Independent Claims 8 - 3 = 5 x \$ 84.00 = 420.	applicant's error			
1.16	Claims 8 3-2	Mher fee (Specify)			
	Multiple Dependent Claim(s), if any \$280.00 =	Other fee (Specify)			
	TOTAL: 1160.	gar y			
	TOTAL: 1160.  SMALL ENTITY DISCOUNT:				
	SUBTOTAL (I) (\$) 1160				
	2. AMENDMENT CLAIM FEES				
	Claims Highest No. Present Rate Fee Paid	SUBTOTA	L (3) (\$)		
	Remaining Previously Extra				
	After Amend. Paid For	•			
	= x \$ 18.00 =		JBTOTAL (1) 1160		
	Total - = X\$ 16.00 - Indep = X\$ 84.00 =		JBTOTAL (2) JBTOTAL (3)		
	First Presentation of Multiple Dep. + \$280.00 =	30	JBIOTAL (3)		
	Claim				
	TOTAL: (\$)  SMALL ENTITY DISCOUNT: (\$)				
SMALL ENTITY DISCOUNT: (\$) SUBTOTAL (2) (\$)			TAL (\$) 1160		
	30213111=(=)	SIGNATURE BLOCK			
	CORRESPONDENCE ADDRESS	Respectfully s			
	Direct all correspondence to:	Respections	TA 01-		
	Patent Administrator	Date: January 4, 2002	7. //www.		
	Testa, Hurwitz & Thibeault, LLP	Reg. No.: 42,897 [Jøsep# B. Mil	stein		
	High Street Tower-125 High Street	rel. No.: 617-245-7695 Attorney for t	ne Applicants		
	Boston, MA 02110 Tel. No.: (617) 248-7000	Fax No.: (617) 248-7100 Testa, Hurwitz & Thibeault, LLP High Street Tower-125 High Street			
	Fax No.: (617) 248-7100	Boston, MA			
	Fax No (017) 240 7.00	Busion, MA			

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